



PTO/SB/21 (09-04) (AW 10/2004)

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1FW 2856

# TRANSMITTAL FORM

(to be used for all correspondence after initial filing)

Total Number of Pages in This Submission

|                      |                |
|----------------------|----------------|
| Application Number   | 10/581,826     |
| Filing Date          | June 2, 2006   |
| First Named Inventor | Anne Neville   |
| Art Unit             | 2856           |
| Examiner Name        | To Be Assigned |
| Attorney Docket No.  | K&C-176US      |

## ENCLOSURES (Check all that apply)

- |   |  |   |
|---|--|---|
| <input type="checkbox"/> Fee Transmittal Form<br><input type="checkbox"/> Fee Attached<br><br><input type="checkbox"/> Amendment/Reply<br><input type="checkbox"/> After Final<br><input type="checkbox"/> Affidavits/Declaration(s)<br><br><input type="checkbox"/> Extension of Time Request<br><br><input type="checkbox"/> Express Abandonment Request<br><br><input checked="" type="checkbox"/> Information Disclosure Statement<br><br><input type="checkbox"/> Certified Copy of Priority Document(s)<br><br><input type="checkbox"/> Response to Missing Parts/<br>Incomplete Application<br><input type="checkbox"/> Response to Missing Parts<br>under 37 CFR 1.52 or 1.53 | <input type="checkbox"/> Drawing(s)<br><input type="checkbox"/> Licensing-related Papers<br><br><input type="checkbox"/> Petition<br><br><input type="checkbox"/> Petition to Convert to a<br>Provisional Application<br><br><input type="checkbox"/> Power of Attorney, Revocation,<br>Change of Correspondence<br>Address<br><br><input type="checkbox"/> Terminal Disclaimer<br><br><input type="checkbox"/> Request for Refund<br><br><input type="checkbox"/> CD, Number of CD(s) _____<br><input type="checkbox"/> Landscape Table on CD | <input type="checkbox"/> After Allowance Communication<br>to TC<br><br><input type="checkbox"/> Appeal Communication to Board<br>of Appeals and Interferences<br><br><input type="checkbox"/> Appeal Communication to TC<br>(Appeal Notice, Brief, Reply<br>Brief)<br><br><input type="checkbox"/> Proprietary Information<br><br><input type="checkbox"/> Status Letter<br><br><input checked="" type="checkbox"/> Other Enclosure(s) (please<br>identify below): return postcard,<br>5 References, 1 Search Report,<br>1 English Abstract |
|---|--|---|

Remarks:

## SIGNATURE OF APPLICANT, ATTORNEY OR AGENT

|              |                   |                  |        |
|--------------|-------------------|------------------|--------|
| Firm Name    | Ratner Prestia    |                  |        |
| Signature    |                   |                  |        |
| Printed Name | Benjamin E. Leace |                  |        |
| Date         | August 13, 2007   | Registration No. | 33,412 |

## CERTIFICATE OF TRANSMISSION / MAILING

I hereby certify that this correspondence is being facsimile transmitted to the USPTO or deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on the date shown below:

|                       |                 |      |                 |
|-----------------------|-----------------|------|-----------------|
| Signature             |                 |      |                 |
| Typed or Printed Name | Stacey N. Perez | Date | August 13, 2007 |

This collection of information is required by 37 CFR 1.5. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Office, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, ALEXANDRIA, VA 22313-1450.

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**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

Appln. No: 10/581,826  
Applicant: Anne NEVILLE et al.  
Filed: June 2, 2006  
Title: ELECTROCHEMICAL SENSOR  
T.C./A.U.: 2856  
Examiner: To Be Assigned

**INFORMATION DISCLOSURE STATEMENT**

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

Pursuant to 37 C.F.R. §§ 1.97 and 1.98 and to the duty of disclosure set forth in 37 C.F.R. § 1.56, the Examiner in charge of the above-identified application is requested to consider and make of record the references listed on the PTO/SB/08a and PTO/SB/08b form submitted herewith. A copy of each reference listed on the PTO/SB/08a and PTO/SB/08b, other than U.S. patents, is enclosed.

Although the information submitted herewith may be "material" to the Examiner's consideration of the subject application, this submission is not intended to constitute an admission that such information is "prior art" as to the claimed invention.

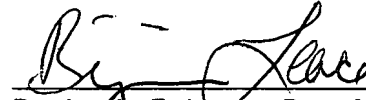
In accordance with 37 C.F.R. § 1.97(g), the filing of this Information Disclosure Statement shall not be construed to mean that a search has been made.

Reference EP 676,637 is not in the English language, but an English translation thereof is attached to the copy of the reference submitted herewith. Also, this reference was cited by a foreign patent office in a counterpart foreign application. A copy of this English language search report, indicating the degree of relevance determined by the foreign patent office is submitted herewith. MPEP Section 609.04(a)III, second paragraph.

This Information Disclosure Statement is being filed before mailing of the first Official Action on the merits. No first Official Action on the merits has yet been received and it is presumed that none has yet been mailed. No fee or statement is required. 37 C.F.R.

§1.97(b).

Respectfully submitted,



Benjamin E. Leace, Reg. No.: 33,412  
James C. Abruzzo, Reg. No.: 55,890  
Attorneys for Applicants

Enclosures: PTO/SB/08a and PTO/SB/08b

(5) References

1 Search Report

Transmittal Form

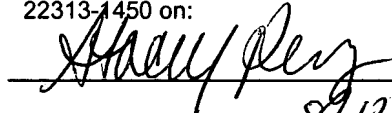
1 English Abstract

Dated: August 13, 2007

P.O. Box 980  
Valley Forge, PA 19482  
(610) 407-0700

The Commissioner for Patents is hereby authorized to charge payment to Deposit Account No. **18-0350** of any fees associated with this communication.

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**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

**Complete if Known**

|                      |                     |
|----------------------|---------------------|
| Application Number   | 10/581,826          |
| Filing Date          | June 2, 2006        |
| First Named Inventor | Anne Neville et al. |
| Art Unit             | 2856                |
| Examiner Name        | To Be Assigned      |
| Attorney Docket No.  | K&C-176US           |

SHEET 1 of 2

**U.S. PATENT DOCUMENTS**

| Examiner<br>Initials* | Cite<br>No. <sup>1</sup> | Document Number                            | Publication Date<br>(MM-DD-YYYY) | Name of Patentee or<br>Applicant of Cited Document | Pages, Columns, Lines, Where<br>Relevant Passages or Relevant<br>Figures Appear |
|-----------------------|--------------------------|--|----------------------------------|--|---|
|                       |                          | Number - Kind Code <sup>2</sup> (if known) |                                  |  |   |
|                       |                          | US-3,848,187                               | 11-12-1974                       | Rohrback et al.                                    |   |
|                       |                          | US-  |                                  |  |   |
|                       |                          | US-  |                                  |  |   |
|                       |                          | US-  |                                  |  |   |
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|                       |                          | US-  |                                  |  |   |
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**FOREIGN PATENT DOCUMENTS**

| Examiner<br>Initials* | Cite<br>No. <sup>1</sup> | Foreign Patent Document   | Publication Date<br>(MM-DD-YYYY) | Name of Patentee or<br>Applicant of Cited<br>Document | Pages, Columns,<br>Lines, Where Relevant<br>Passages or Relevant<br>Figures Appear | T <sup>6</sup>           |
|-----------------------|--------------------------|---|----------------------------------|---|--|--------------------------|
|                       |                          | Country Code <sup>3</sup> - Number <sup>4</sup> - Kind Code <sup>5</sup> (if known) |                                  |   |  |                          |
|                       |                          | WO 03/089920  | 10-30-2003                       | Ondeo Nalco<br>Company                                |  | <input type="checkbox"/> |
|                       |                          | EP 676,637 (w/ English abstract)  | 10-11-1995                       | Centre National<br>De La Recherche<br>Scientifique    |  | <input type="checkbox"/> |
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| Examiner<br>Signature |  | Date<br>Considered |  |
|-----------------------|--|--------------------|--|

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.

<sup>1</sup>Applicant's unique citation designation number (optional).

<sup>2</sup>See Kind Codes of USPTO Patent Documents at [www.uspto.gov](http://www.uspto.gov) or MPEP 901.04.

<sup>3</sup>Enter Office that issued the document, by the two-letter code (WIPO Standard St.3).

<sup>4</sup>For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document.

<sup>5</sup>Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible.

<sup>6</sup>Applicant is to place a check mark here if English language translation is attached.

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| Art Unit             | 2856                |
| Examiner Name        | To Be Assigned      |
| Attorney Docket No.  | K&C-176US           |

SHEET 2 of 2

**NON-PATENT LITERATURE DOCUMENTS**

| Examiner Initials* | Cite No. <sup>1</sup> | Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published | T <sup>2</sup>           |
|--------------------|-----------------------|--|--------------------------|
|                    |                       | HSUEH, K-L. et al., Mass Transfer of a Submerged Jet Impinging on a Cylindrical Surface, Journal of the Electrochemical Society, September 1986, pages 1845-1850, vol. 133, no. 9, USA   | <input type="checkbox"/> |
|                    |                       | GABRIELLI, C. et al., Quartz Crystal Microbalance Investigation of Electrochemical Calcium Carbonate Scaling, Electrochemical Society, July 1998, pages 2386-2396, vol. 145, no. 7, Manchester, New Hampshire, USA   | <input type="checkbox"/> |
|                    |                       | BOUET, V. et al., Application of Electrochemical Impedance Analysis To the Characterization of Mass Transfer In a Submerged Impinging Jet Cell, Journal of Electroanalytical Chemistry, July 1992, pages 325-331, vol. 340, USA                                | <input type="checkbox"/> |
|                    |                       | International Search Report corresponding to PCT/GB2004/005060 dated November 5, 2005  | <input type="checkbox"/> |
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Examiner  
SignatureDate  
Considered

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.

<sup>1</sup>Applicant's unique citation designation number (optional).

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